CONSIDERATIONS REGARDING ELECTRICAL SERVOMOTORS

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Abstract. In this paper we address the features and operation of electrical servomotors. The experimental characteristics in relative coordinates are presented for a DC electromagnetic excitation. There are given tables with the parameters and approximation polynomials (analytical functions that allow determining the characteristics of analyzed servomotors). Based on these characteristics there were put into evidence the advantages of the servomotor excited by permanent magnets compared to the electromagnetic excitation servomotors.

Keywords: permanent magnet servomotors, approximation polynomials.